

Figure 1

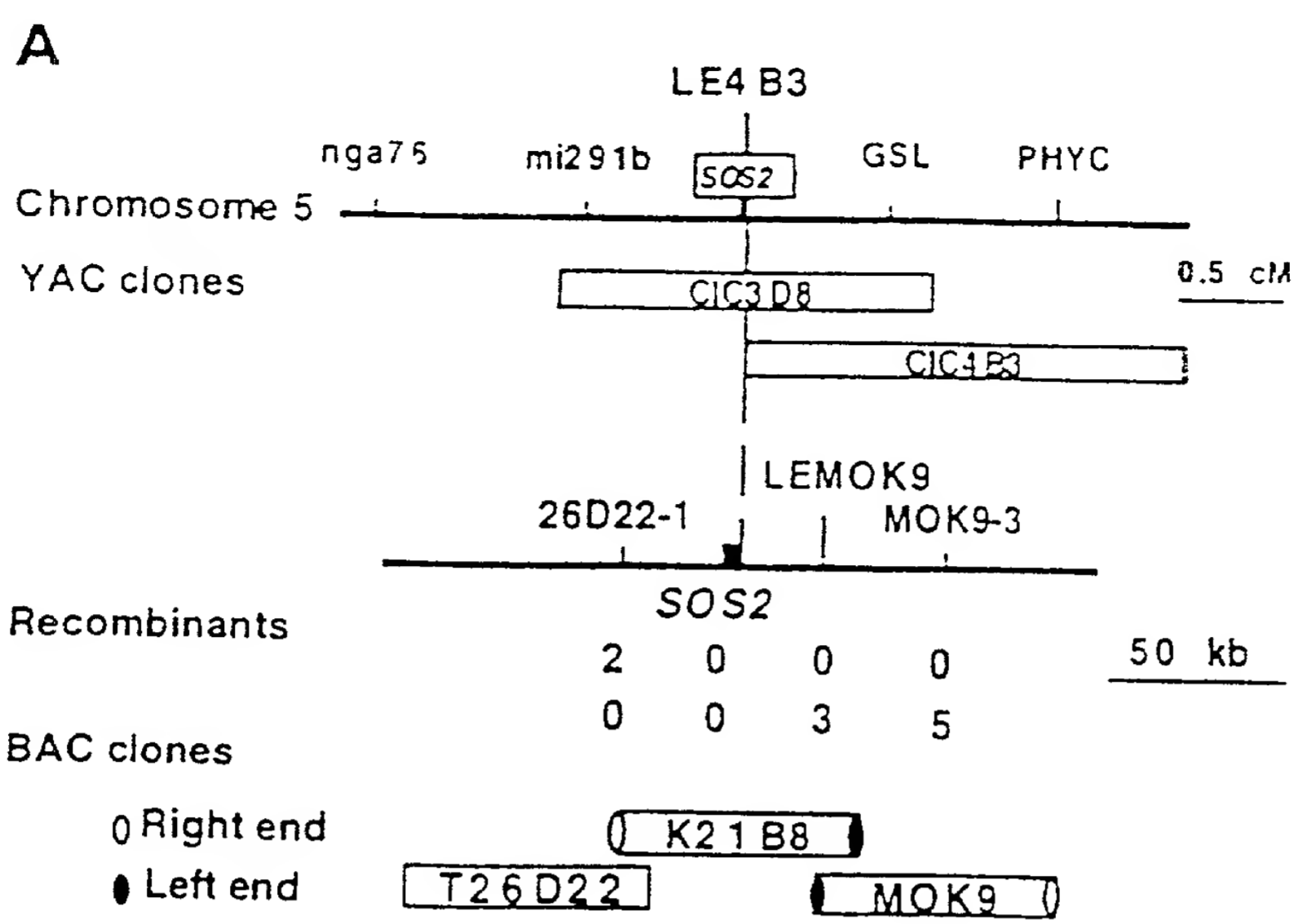


Figure 2

A



B

TCGATCAGATAAAAGTTTGTAAAGA

ATGACAAAGAAAATGAGAAGAGTGGGCAAGTACGAGGTTGGTGGCACAATAGGTGAAGGAACCTTTGCTAAGGTTAAG
1 M T K K M R R V G K Y E V G R T E T P A K K

TTTGGCAGGAACACAGACACTGGTGATAATGTAGCCATCAAAATTATGGCTAAGAGTACAATACTTAAGAACAGAATG
27 F A R N T D T G D N V : : A K S T : L K N R M

GTTCATCAGATAAAAAGAGAGATATCTATAATGAAGATTGTTCTCACCCTGAACATAGTGAAGTTGATGAGGTTGTTG
53 V D Q I K R : S : M X I V R H P N V R L Y E V L

GGGAGTCTCTCGAAAATATATATAGTCTGGAGTTGTGACAGGAGGAGAGCTTTTGATAGAATTGTTTCATAAAGGG
79 A S P S K I Y I V L E F V T G G E L F D R : V H K G

AGGCTTGAAGAAAGTGAAGTCTGGAAATACCTTCAACAGCTTGTAGATGCTGTTGCTCATTGCTCACTGCAAGGCTGTT
105 R L E E S E S R K Y F Q Q L Y D V A H C K G V

TACCACCGTGACCTAAAGCCAGAAAATCTTTACTGATACAAATGGAAATCTGAAGGTTTGGGATTTGGGACTCAGT
131 Y R K P E L L D T N G N L K S L S

GCATTGCTCAGGAAGGAGTAGAAGTCTGCTACCATGTTGGAAGTCTGGAAGTATGATGCTCAGAGGTACTTAGT
157 A L P Q E G V E L L R T T C G P N V P V L S

GGACAGGGTTACGATGCTTCAACAGCTGATATTTGGTCTGGGGGTTATCTTTGCTATATGGCTGGATATTTA
183 G Q G Y D G S A A : C I L F V I L A G Y L

CCTTTTCCGAGACGGATCTTCCAGGTTGTACAGAAAATAAATGCAGGAGAGTTTCTTGTCCACCGTGGTTTCC
209 P F S E T D L P G L Y R K I N A A E F S C P P W F S

GCAGAAGTGAAGTTTATAATACATAGGATCTTGACCCCAATCCCAAAACAGGTATTCAAATTCAGGAATCAAGAAA
235 A E V K F L I H R L D P N P K T R I Q Q G I K K

GATCCTTGGTTGAGATTAAATTTATGTGCTATACGAGCAAGGGAAGAAGAAGTGAATTTGGATGATATTCGTGCA
261 D P W F R L N Y V P I R A R E Z E E V N L D D I R A

GTTTTTCATGGAATTCAGGGCAAGTTATGTAGCGGAGAATGTAGAGAGAAATGATGAAGGGCCCTGATGATGAATGCC
287 V F D G I E G S Y V A E N V E R N D E G P L M M N A

TTTGAGATGATTACCTTATCACAAGGCTTAAATTTATCTGCACTATTGACAGGCCACAGGATTTGTTAAAAGGCCAA
313 F E M I T L S Q G L N L S A L P D R R Q D F V K R Q

ACCCGTTTGTCTTCTCGAAGGGAACCTAGTGAGATAATTGCTAACATTTAGGCTGTAGCGAACTCAATGGGTTTAAAG
339 T R F V S R R E P S E I I A N I E A V A N S M G F K

TCTCATACACGAACTTCAAGACAAGGCTCGAGGGATTATCTTCGATCAAGGCCCGACAGTTAGCTGTTGTGATACAG
365 S H T R N F K T R L E G L S S I K A G Q L A V V I E

ATTTACGAGGTGCCACCATCGCTTTTCATGGTAGACGTAAGAAAGGCTGCTGTTGAAACTCTTGAATATCACAAGTTC
391 I Y E V A P S L P M V D V R K A A G E T L E Y H K F

TACAAGAAGCTATGTTTGAAGCTGGAAAACATAATATGGAGGGCAACAGAAGGAATACCAAGTCAGAGATTCTCAGA
417 Y K K L C S K L E N I I W R A T S G I P K S E I L R

ACAATCACGTTTTCATCCCAACTTAA
437 T I T F

Figure 3

A

SOS2 1 MTKKMRTEGTEFGHTLEGEFENKVKFARNITDTCQVAKIENASTILNENWDO
 AMPK 1 WASHQKHDCRVVICHITFAGDTLCGTFEGKVKFGEHQITCKVAKIENASTILNENWDO
 SNF1 48 SLADGPEICNYOIVATLGECSFGKVKNEYHTTTCQVAKIENASTILNENWDO

SOS2 86 IKREISLEKRRHENLFRLYEVE-SFQKIEVVEEVEGGELFRIIVERGRHEESERREVE
 AMPK 61 IKREISLEKRRHENLFRLYEVE-SFQKIEVVEEVEGGELFDYICKRGRHEESERREVE
 SNF1 101 IEREISYLERRPHIINKLYDVKCKDEILMVDEIR-ENELFDYIVCKRGRHEESERREVE

SOS2 116 QOQVDAVACHCQGGYHEDLKPEILLITNGNIRKASDEGLAPPCQCAELLRTECGEPHY
 AMPK 121 QOQVDAVACHCQGGYHEDLKPEILLITNGNIRKADFGLSHITSDC-EFLRTSCGSPHY
 SNF1 161 QOQVDAVACHCQGGYHEDLKPEILLITNGNIRKADFGLSHITSDC-NELRTSCGSPHY

SOS2 176 VAPETISQOGIDCSAPDIWSCGVILE/ALPILPISQTDDEIGLTKINATFEESCFPFA
 AMPK 180 VAPETISQRYAGHEVDIWSQGVILE/ALPILPISQTDDEIGLTKINATFEESCFPFA
 SNF1 221 VAPETISQRYAGHEVDIWSQGVILE/ALPILPISQTDDEIGLTKINATFEESCFPFA

SOS2 236 EKKELEHEDIDPHIKTRICQGGIRKLEPVEEN
 AMPK 240 SVATILMMLQGLPIKPEIRKIDIREHEWENQ
 SNF1 280 GAAGLIKRMILVNPENRISHEIMQDEWENQ

B

SOS2 332 LDFVKHCTRFVSRPSPSETIANDERAVANSUENK---ETRIKTRLEGSSIKAGQAVV
 YCHK1 349 LDFVKHCTRFVSRPSPSETIANDERAVANSUENK---ETRIKTRLEGSSIKAGQAVV
 RCHK1 371 LDFVKHCTRFVSRPSPSETIANDERAVANSUENK---ETRIKTRLEGSSIKAGQAVV

SOS2 389 TETYEVAPSLQVIVRRAPETLESHKFEENLCENLENIWRATEGH
 YCHK1 449 TETYEVAPSLQVIVRRAPETLESHKFEENLCENLENIWRATEGH
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Figure 4

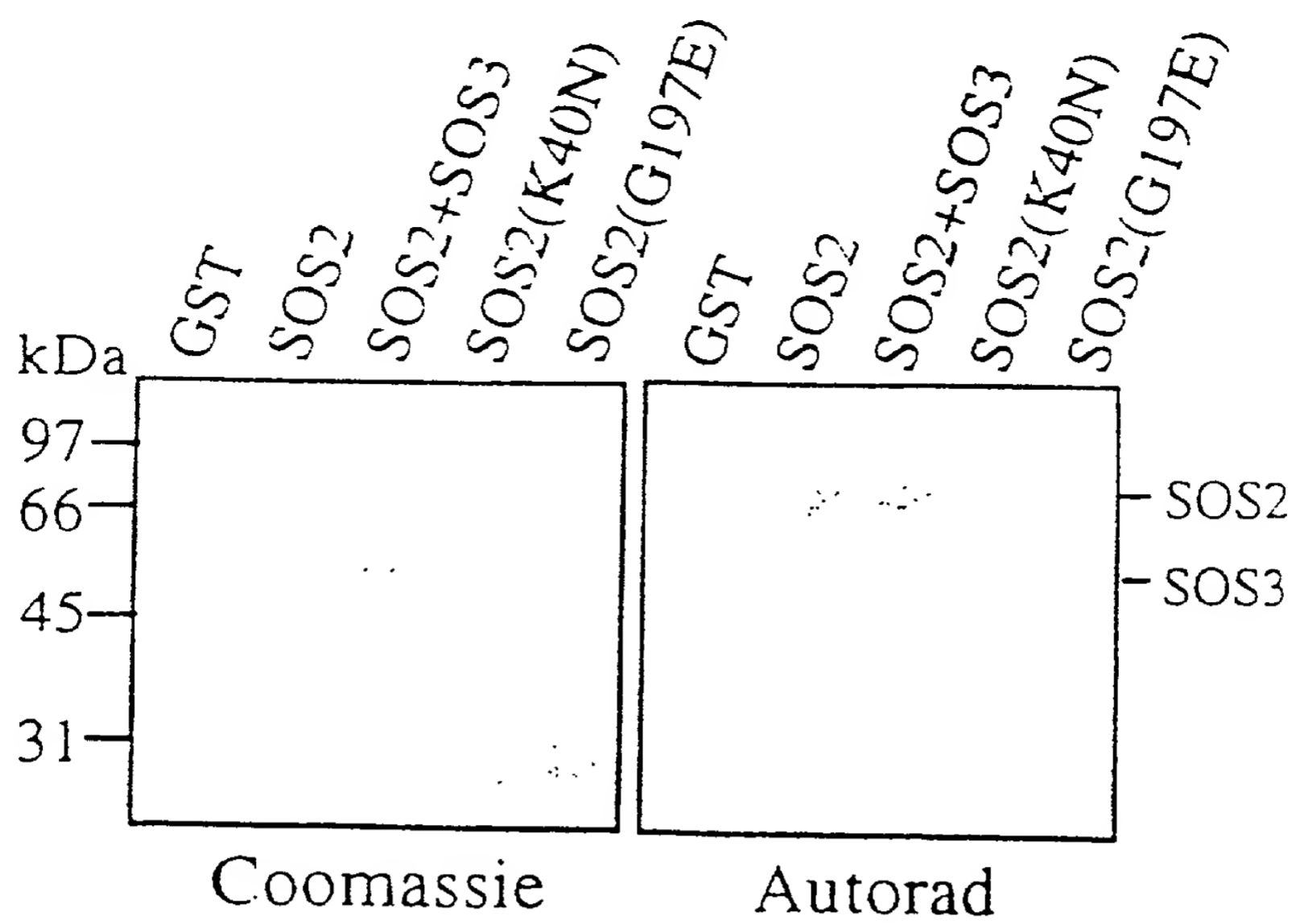


Figure 5

